25X1

ILLEGIB

October 10, 1966
Ref: 411/PLI-82

25X1

Declass Review by NGA.

Subject: Proposal for a Test Program

Gentlemen:

Results of recent tests made on Printer Number 1 (Contact Duplicating and Reseau Printer) indicate that more extensive testing is required in order to ascertain the nature and degree of any modifications which should be undertaken. To develop the necessary data, proposes to conduct a five- 25X1
25X1 week program at during which these tests will be performed.

A description of these tests is contained in Attachment B; Attachment C is a chart of the test program schedule. During the fourth and fifth weeks, the findings will be verbally reported to the technical monitor.

It is proposed that the estimated cost of the referenced con-
25X1 tract be increased by with no increase in fee. Attachment A provides supporting detail. (For your information we have prepared Attachment D, detailing our estimate to conduct tests in Washington, D. C.) This price and the program schedule are based on the following:

1. The Government will provide at the outset of the 25X1
program the following materials:

Type 8430 Film - 1,000 feet
Type 5427 Film - 1,000 feet

25X1 2. will ship the equipment to and from at 25X1
Government expense.

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[redacted]

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It is anticipated that the negotiated ceilings for overhead and G & A stated in the Schedule of the contract will not be applicable to the effort proposed herein.

All other terms and conditions of the contract will remain unchanged.

This proposal will remain firm for a period of sixty (60) days and be subject to change or confirmation thereafter.

Should you have any questions, please do not hesitate to contact our [redacted]

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Very truly yours,

INFORMATION SYSTEMS
MARKETING AND PLANNING DEPARTMENT

[redacted]

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Vice President and Manager

WK:ks

Encs.

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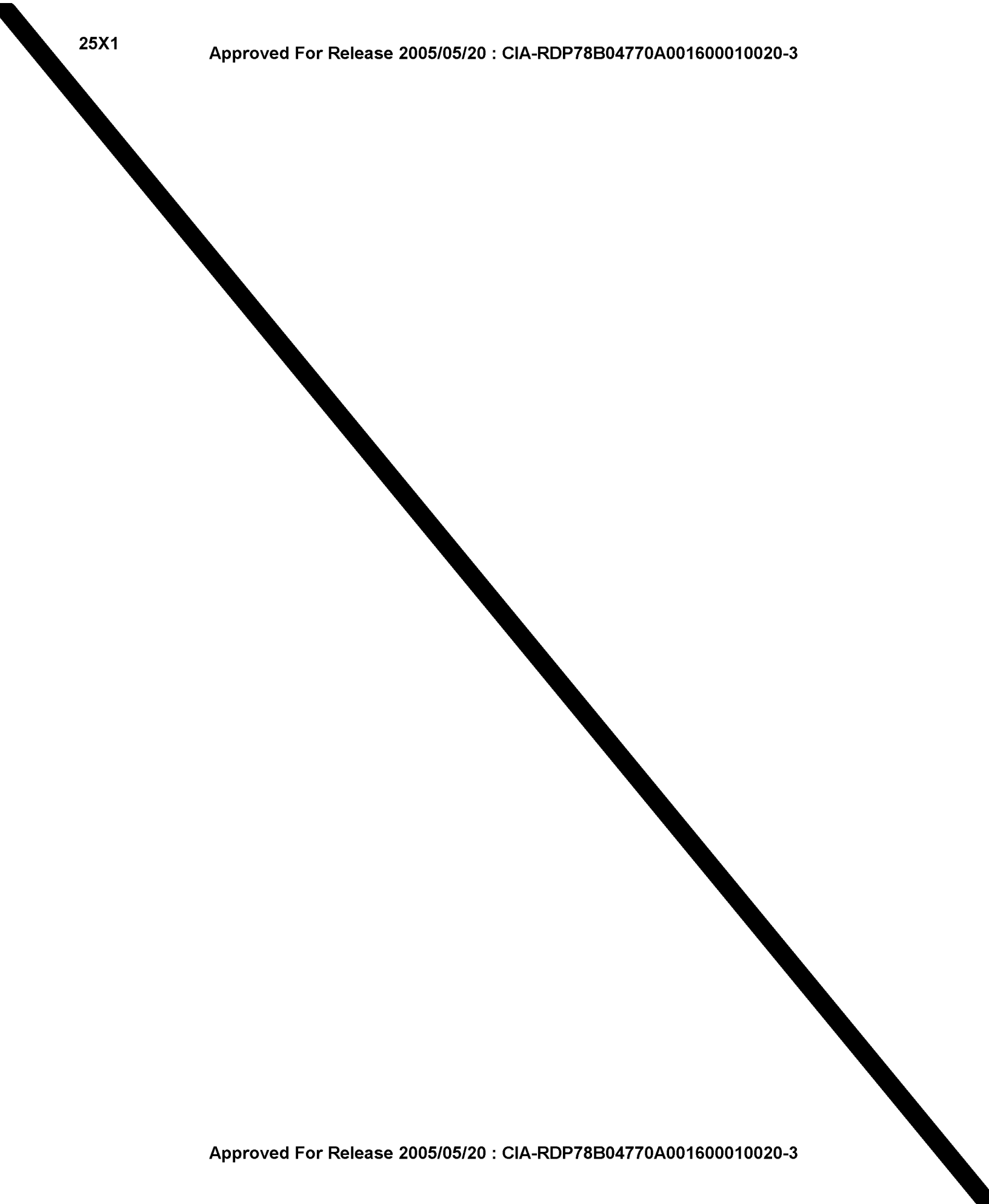

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ATTACHMENT B

TESTS TO BE PERFORMED [redacted] 25X1

1. Unexposed Film Transport

At least 1,000 feet of film will be run at various frame lengths, with and without negative input material. Output film will be developed and examined for film advance accuracy, repeatability, scratching, fog, and tracking.

2. Original Film Transport

All original test film will be retested, using the frame edge detector for positioning. Dial calibration will be rechecked, and variations in stopping position will be tabulated. Negative transport speed will be measured as a function of the amounts of film on the supply and take-up spools. Curves will be plotted showing frame length time-out and skipped frame time-out as a function of the amounts of film on the supply and take-up spools.

3. Exposure Control

Film tests run above will include operation of the automatic exposure control. Film will be critically examined for mottling, and any necessary adjustments of Dodge Boards will be made as required.

4. Reseau Alignment

Approximately 100 feet of 9½-inch stable base film will be exposed to the Reseau grid and processed for preparation of test film for punching. This will be cut into 70mm and 9½-inch strips to provide a variety of input material.

The film will be punched on the Punch Station, and the dimensions between the punched holes and grid lines will be precisely measured by optical comparator and recorded.

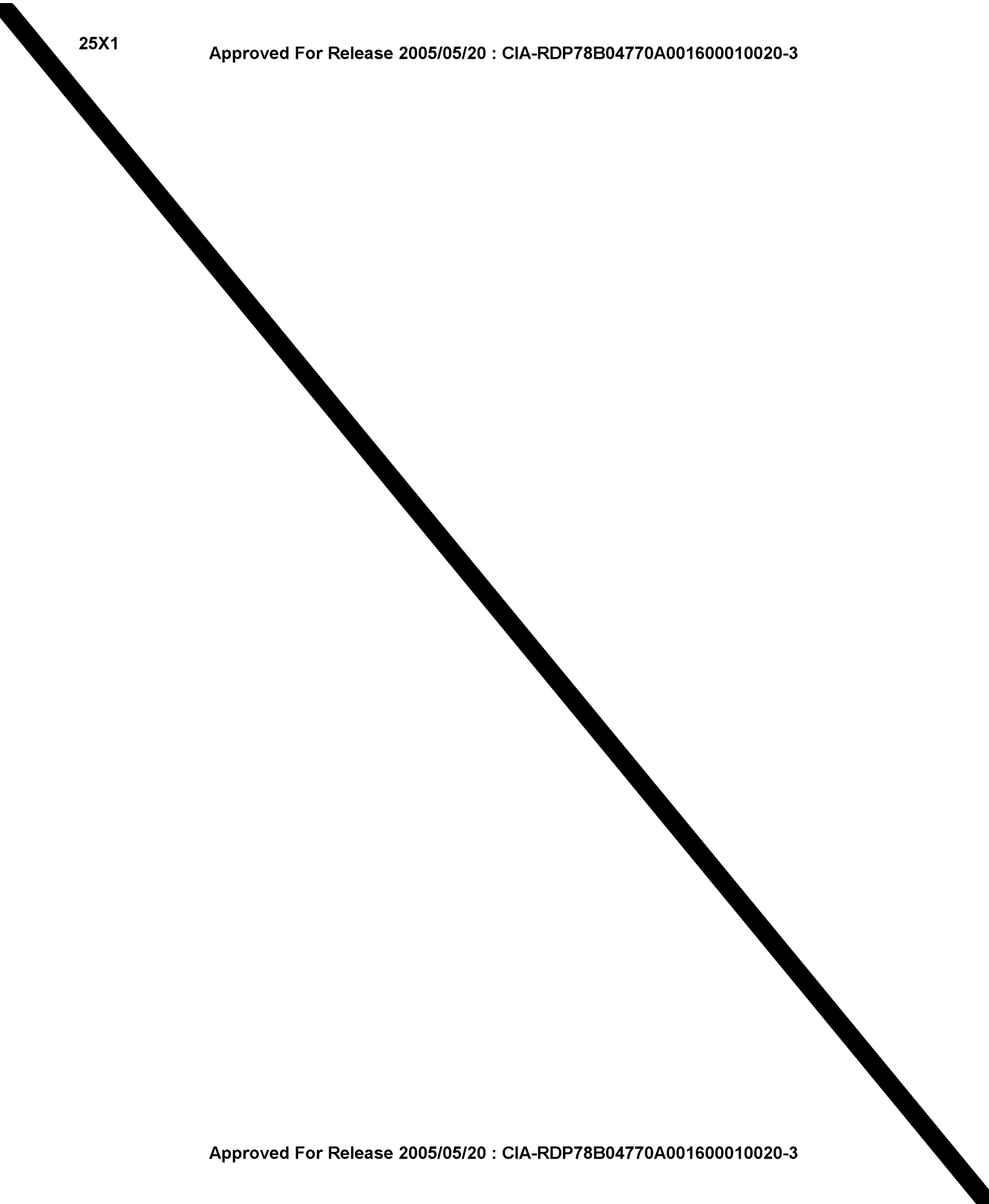
The film will then be printed in the multiple-print Reseau mode, such that at least three prints of each punched test sample will be made on stable base film. The resultant print of the original grid superimposed upon the Reseau grid will be measured with the optical comparator and by microscope with calibrated reticle. The resulting data will be recorded and analyzed to determine if there is film motion during repeat printing. Limits of the present design will be established.

After the punching station is modified, complete system Reseau tests will be run to verify the calibration. At least three test films previously prepared of at least two widths will be punched and measured on the optical comparator. After printing, the output film will be processed and measured on the comparator. Results will be tabulated and examined to determine total system accuracy.

ATTACHMENT C

SCHEDULE

	Weeks After Award				
	1	2	3	4	5
Unpack, set up equipment (Including procurement)					
System Test					
Repair and adjust					
25X1 [redacted]					
Proposals for modification					
Retest after adjustment of punching station					



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